

ABSTRACT:

The invention relates to a cost-effective and optimized method of composing a scene content from digital video data streams containing video objects, said method comprising a decoding step for generating decoded object frames from said digital video data streams, and a rendering step for composing intermediate-composed frames in a composition buffer from said decoded object frames. The method of scene composition according to the invention comprises a scaling step applied to said intermediate-composed frames for generating output frames constituting scene content. Indeed, by performing a scaling step on intermediate-composed frames of the final scene, enlarged frames are obtained in a single processing step, which considerably reduces the computational load. The use of a signal co-processor for the scaling step provides a possibility of anticipating simultaneously the decoding of objects, performed by a signal processor, used in the composition of the future intermediate-composed frame. Use : Video scene compositor

Fig.1